

Department of Defense

Air Force Office of Scientific Research URI

FY2008 Multidisciplinary University Research Initiative (MURI) - For Submission to AFOSR
Modification 3

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	BAA-07-036
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Oct 23, 2007
Estimated Total Program Funding:	\$207,000,000
Award Ceiling:	\$1,500,000
Award Floor:	\$0
CFDA Number:	12.800 -- Air Force Defense Research Sciences Program
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Public and State controlled institutions of higher education
Private institutions of higher education

Description

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DoD. The FY 2008 MURI competition is for the 19 topics listed. Detailed descriptions of the topics can be found in Section VIII entitled, "Specific MURI Topics", of this BAA. The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged.

Link to Full Announcement

[BAA-07-036 FULL ANNOUNCEMENT incorporating Amendment Number 0001
http://www.afosr.af.mil/pdfs/MURI%2008%20BAA%20with%20Amend%20\(2\).pdf](http://www.afosr.af.mil/pdfs/MURI%2008%20BAA%20with%20Amend%20(2).pdf)
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14530>

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Defense Advanced Research Projects Agency
DARPA - Tactical Technology Office
System F-6 Program Grant

Document Type:	Grants Notice
Funding Opportunity Number:	BAA07-31
Current Closing Date for Applications:	Jul 15, 2008
Funding Instrument Type:	Procurement Contract Other Grant Cooperative Agreement
CFDA Number:	12.910 -- Research and Technology Development
Cost Sharing or Matching Requirement:	No

Eligible Applicants

Unrestricted:

Description

Refer to the attached BAA07-31. A copy of the BAA has also been published in the FedBizOpps at the website address stated below.

Link to Full Announcement

[BAA07-31 at FedBizOpps. http://www.fbo.gov/spg/ODA/DARPA/CMO/BAA07-31/listing.html](http://www.fbo.gov/spg/ODA/DARPA/CMO/BAA07-31/listing.html)
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14870>

Office of Naval Research (ONR) Broad Agency Announcement (BAA) for Payload Implosion and Platform Damage Prediction and Validation Modification 4

Document Type:	Modification to Previous Grants Notice
Funding Opportunity Number:	BAA07-025
Opportunity Category:	Discretionary
Current Closing Date for Applications:	Aug 20, 2007
CFDA Number:	12.300 -- Basic and Applied Scientific Research
Cost Sharing or Matching Requirement:	No

Eligible Applicants

- Native American tribal organizations (other than Federally recognized tribal governments)
- Public and State controlled institutions of higher education
- For profit organizations other than small businesses
- Private institutions of higher education
- Native American tribal governments (Federally recognized)
- Individuals
- Small businesses

Description

Office of Naval Research (ONR) Broad Agency Announcement (BAA) for Payload Implosion and Platform Damage Prediction and Validation Implosion is the sudden inward collapse of a pressure resistant structure. For example, a submerged pressure housing with an internal pressure well below the ambient sea pressure may fail due to the external pressure. Following the collapse, a strong pressure wave is radiated into the surrounding fluid. This pressure wave depends sensitively on the exact form of the collapse. The resulting energetic pressure pulse can potentially damage nearby structures. The Navy requires an improved capability to design and qualify submarine external payloads for implosion avoidance and platform survivability. Validated, user-friendly tools are required that enable the designer to predict implosion effects, especially the magnitude of the resulting shock waves: In particular, the Navy needs 1) a parametric payload design tool for conventional payloads, and 2) a physics-based model for complex analyses. This requires both algorithm and software development, and carefully controlled measurements to validate the software. Please see Amendment 0001 and 0002.

Link to Full Announcement

[Link to BAA 07-025](http://www.grants.gov/search/search.do?mode=VIEW&oppId=13822)
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=13822>

Dept of the Army -- Materiel Command

FY 2008 Multidisciplinary University Research Initiative (MURI) –
For Proposal Submission to the Army Modification 2

Current Closing Date for Applications: Oct 23, 2007
Estimated Total Program Funding: \$207,000,000
Award Ceiling: \$1,500,000
Award Floor: \$0
CFDA Number: 12.431 -- Basic Scientific Research
Cost Sharing or Matching Requirement: No

Eligible Applicants

Private institutions of higher education
Public and State controlled institutions of higher education

Description

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DoD. The FY 2008 MURI competition is for the 19 topics listed in the BAA. White papers and full proposals addressing the following topics (14) through (19) should be submitted to the Army Research Office (ARO): (14) Human, Social, Cultural, and Behavioral Modeling; Dynamic Models of the Effect of Culture on Collaboration and Negotiations; (15) Brain Network Analysis and Modeling for Communication and Orientation; (16) Reasoning by Abductive Inference; (17) Spin-Mediated Magnetic Behavior in Hybrid Metal-Semiconductor Systems; (18) Modeling, Analysis, and Control of Complex Multi-Scale Data Networks; (19) Spray and Combustion of Gelled Hypergolic Propellants for Future Rocket and Missile Engines. Detailed descriptions of the topics can be found in Section VIII entitled, "Specific MURI Topics", of the BAA. The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged.

Link to Full Announcement

[REDCOM AC, RTP Contracting Division Open BAAs -](#)
<http://www.arl.army.mil/www/default.cfm?Action=6&Page=8>
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14648>